

2025 Project Completion and Fair Requirements

11/22/2024

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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About 4-H

91 <i>Discovering 4-H</i>	B	All activities in 9 interest areas Project summary	Bring completed book, educational display illustrating something you learned to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display for fair.	No state fair event
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Animal Sciences

Beef				
117 <i>Beef Project and Record Book</i> (for beef breeding, beef feeder, dairy beef feeder, and market beef projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections At least 1 topic of interest At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities. Club or county level project review County project judging (may be optional)	Refer to beef project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu .

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Companion Animals and Rabbits				
200 All About Dogs	B	All 8 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	Companion Animal Day ohio4h.org/nonlivestockguidebook
201 Dog Project and Record Book (for pet, obedience, showmanship, performance, and working dog projects)	X	Project animal by required date Project goals Member Project Guide, Dog Care and Welfare, and Animal Records sections Club or county level project review County project judging (may be optional)	You and your dog will have an interview with the judge. Demonstrate knowledge of dogs and dog care and welfare. Create a poster (14"x22" that hangs vertically) on some aspect of your dog project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and dog knowledge. Poster will be displayed for fair. Youth are not permitted to bring live animals to pre-fair judging.	See "Jr. Livestock" events under the Competitions tab at ohiostatefair.com . See also ohio4h.org/animalsciences/dog/
202 Dog Achievement Program	X	To earn a certificate, choose 3 topic areas within one category and complete all 5 activities with each selected topic area, for a total of 15 activities. For more details, see project book or ohio4h.org/DAP .	See state requirements	No state fair event

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210 Assistance Animals in Action	I	All 8 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	You will have an interview with the judge. Demonstrate knowledge gained. Create a poster (14"x22" that hangs vertically) on some aspect of your project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and project knowledge. Poster will be displayed for fair. Youth are not permitted to bring live animals to pre-fair judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook
215 Cavy Project and Record Book	X	Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences At least 2 leadership/citizenship activities County project judging (may be optional)	Bring completed project book and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Youth are not to bring live animals to judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook
216 Purr-fect Pals, Level 1	B	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	Bring completed book, and educational display on a topic related to your project. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Youth are not to bring live animals to judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook

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217 <i>Climbing Up! Level 2</i>	I	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	Bring completed book, and educational display on a topic related to your project. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Youth are not to bring live animals to judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook
218 <i>Leaping Forward, Level 3</i>	A	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	Bring completed book, and educational display on a topic related to your project. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Youth are not to bring live animals to judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook
220 <i>Pocket Pets Project and Record Book</i>	X	Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences At least 2 leadership/citizenship activities County project judging (may be optional)	Bring completed book, and educational display on a topic related to your project. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Youth are not to bring live animals to judging.	Companion Animal Day ohio4h.org/nonlivestockguidebook
228 <i>Rabbit Project and Record Book</i> (for breeding, market, and pet projects)	X	Project animal by required date At least 5 learning activities At least 2 learning experiences At least 1 topic of interest At least 2 leadership/citizenship activities Animal Records and Quality Assurance sections Club or county level project review County project judging (may be optional)	Refer to rabbit project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu

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230 4-H PetPALS Project and Record Book	X	Project animal by required date Project Goals and Objectives At least 2 project experiences Other animal project records County project judging (may be optional) Must be enrolled in a PetPALS program under the direction of a master 4-H PetPALS leader	Bring project book, record of activities done to judging. Create and bring an educational display on a selected topic related to the project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and educational display for fair.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also ohio4h.org/animalsciences/dog/
Dairy Cattle				
127 Dairy Cattle Project and Record Book (for dairy calf, dairy heifer, and dairy cow)	X	Project animal by required date Project Guide, Animal Records, Financial Records, and Quality Assurance sections Club or county level project review County project judging (may be optional)	Refer to dairy project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu
Goats				
135 Goat Project and Record Book (for breeding dairy; breeding meat; fiber; harness; market dairy, meat, or cross; pack, pygmy, and companion/pet goat projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	Refer to goat project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu

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Horses				
173 <i>Horseless Horse</i>	B	Planning Your Project section At least 4 interest areas All recommended activities in your selected interest areas At least 2 organized activities At least 2 leadership/citizenship activities One-page report	Bring completed project book, one page summary, and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair. Participate in EquiSTEP by deadline.	No state fair event
174 <i>Beginning Horse Management</i>	B	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 leadership/citizenship activities Project record One-page report	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
175 <i>Light Horse Selection</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 learning experiences At least 2 leadership/citizenship activities Questions on pages 55-57 Complete the judging description of your horse Completed 190R <i>Equine Record Book</i> One-page report	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu .

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177 Horse Training: How to Talk to Your Horse	I	Project horse required by deadline Appropriate helmet and other equipment Completed 190R <i>Equine Record Book</i>	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu .
180 Learning to Jump	I	Project horse required by deadline Appropriate helmet and other equipment All 3 project areas At least 5 activities in each interest area At least 2 learning experiences At least 2 leadership/citizenship activities One-page summary Complete 190R <i>Equine Record Book</i>	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
181 Draft Horses	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section Interest areas 1-5 and 7 (new members) Interest areas 2-7 (returning members) Things to Do in each interest area At least 2 learning opportunities At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
182 Small Equine	I	Project horse required by deadline Appropriate helmet and other equipment Project Areas 1-7, each with at least one project activity At least 2 learning experiences At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu

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184 Standardbred Horse	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section Explore all interest areas At least 2 Things to Do At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
186 Gymkhana	I	Project horse required by deadline Appropriate helmet and other equipment Project Areas 1-3 At least 2 learning experiences At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
187 Roping	X	Project horse required by deadline Appropriate helmet and other equipment First year: complete activities 1-4 Year 2 and beyond: Complete activities 1-4, plus 2 additional activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
188 Trail Riding	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	EquiStep program for all horse program participants & Horse Paperwork	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu

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189 Dressage	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section New members explore interest areas 1-4 and first-year Completion of project activities Repeating members complete Completion of Project activities All of the Things to Do At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page report	EquiStep program for all horse program participants & Horse Paperwork	Must participate in a dressage competition and meet scoring requirements Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also horse.osu.edu
Llamas and Alpacas				
132 Llama and Alpaca Project and Record Book	X	Project animal by required date Project Goals and Objectives Member Project Guide, Animal Care and Welfare, and Animal Records sections Club or county level project review County project judging (may be optional)	Bring completed project book and educational display based on your years in the project to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	See “Open Livestock” events under the Competitions tab at ohiostatefair.com

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Poultry				
150 <i>Poultry Project and Record Book</i> (for exhibition and market chicken, duck, goose, turkey; chicken, egg production: hens and pullet; and helmeted guinea fowl projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	Refer to poultry project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also ohio4h.org/poultry
Sheep				
198 <i>Market Lamb Project and Record Book</i>	X	Project animal by required date All activities Club or county level project review County project judging (may be optional)	Refer to sheep project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu
199 <i>Sheep Breeding Project and Record Book</i>	X	Project animal by required date At least 1 topic of interest At least 5 activities At least 2 learning experiences At least 2 leadership/citizenship activities Quality Assurance and Animal Records sections Club or county level project review County project judging (optional)	Refer to sheep project, letter, rules, and fair requirements on the website.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu

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Swine				
140 Swine Project and Record Book	X	Project animal by required date At least 1 topic of interest At least 5 activities At least 2 learning experiences At least 2 leadership/citizenship activities Quality Assurance and Animal Records sections Club or county level project review County project judging (optional)	This project is not offered at the Greene County Fair. Exhibitors must be enrolled though and complete all requirements if wanting to participate at the Ohio State Fair.	See “Jr. Livestock” events under the Competitions tab at ohiostatefair.com . See also 4hansci.osu.edu .
Veterinary Science				
244 From Airedales to Zebras, Level 1	B	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	Bring completed project book, one page summary, and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	Veterinary Science Day ohio4h.org/nonlivestockguidebook
245 All Systems Go! Level 2	I	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	Bring completed project book, one page summary, and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	Veterinary Science Day ohio4h.org/nonlivestockguidebook
246 On the Cutting Edge, Level 3	A	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	Bring completed project book, one page summary, and educational display to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	Veterinary Science Day ohio4h.org/nonlivestockguidebook

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Career Exploration

382 <i>Am I Ready for Work?</i>	I	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed project book and educational display board on your workforce preparation experiences or accomplishments. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and display. Dress as if you are applying for a job.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook
386 <i>You're Hired!</i>	A	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display on your workforce preparation experiences or accomplishments. Project interview: Answer questions about your project experience including general 4-H knowledge and activities, and display. Dress as if you are applying for a job.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook
387 <i>Here, There, Ag Careers Are Everywhere!</i>	A	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and educational display board on your workforce preparation experiences or accomplishments. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and display. Dress as if you are applying for a job.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook

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Clothing and Textile Science

407 Accessories for Teens	B, ages 13+	All 4 interest areas At least 1 additional 4-H activity At least 1 leadership/citizenship experience Wardrobe evaluation and accessories to complement at least 1 outfit At least 1 accessory: bag/purse, belt/cummerbund, footwear/shoe covers, hat, gloves, jewelry, removable collar/dickey/jabot, scarf/tie, muffler/shawl, socks/hosiery, or suspenders to complete the appearance of an outfit Project record and evaluation	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear at least one accessory you made with the outfit for which it was designed.	Clothing Days ohio4h.org/nonlivestockguidebook
409 Sew Fun!	B	All 5 project areas At least 2 learning experiences At least 2 leadership/citizenship activities A pin cushion and fully elastic-waisted skirt, shorts, pants, or capris Project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. (Junior 8-10; Senior 11+) Wear the garment you made using an “easy” or “beginner” pattern (skirt, shorts, pants, or capris with a full elastic waistline).	Clothing Days ohio4h.org/nonlivestockguidebook

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410 <i>Designed by Me</i>	B	All 8 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Decorate (or embellish) a T-shirt, sweatshirt, button-down shirt, or simple jacket Project review Project record (if any materials purchased)	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear your decorated top (with the 2 embellishment methods you used) with the completed outfit you assembled for a total look. Bring completed poster, pages or visual showing completed activities.	Clothing Days ohio4h.org/nonlivestockguidebook
413 <i>Sundresses and Jumpers</i>	B	All 5 project areas At least 2 learning experiences At least 2 leadership/citizenship activities A sundress or jumper Project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the sundress or jumper you constructed with accessories for the total look.	Clothing Days ohio4h.org/nonlivestockguidebook

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419 <i>Terrific Tops</i>	B	All 8 activities, including Talking It over questions At least 2 learning experiences At least 2 leadership/citizenship activities A top that is part of a complete outfit Project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the top you constructed with accessories for the total look	Clothing Days ohio4h.org/nonlivestockguidebook
411 <i>em•bel•lish: A 4-H Guide to Wearable Art</i>	I	All 10 activities and 3 journal pages At least one embellished garment At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Bring the previously made garment or ready-to-wear garment selected from your wardrobe or a ready to-wear garment that you embellished. Select other garments and accessories for a total look outfit. Bring completed activities, <i>Talking it Over</i> pages and completed notebook with at least 3 samples of embellishment techniques you tried, including the technique you used on the garment you selected.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
412 <i>Sew for Others</i>	I	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Construct one complete outfit for the person of your choice OR adapt three different garments for someone with a disability	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. If the project is repeated for multiple years, a new category of "other" must be selected. It is desirable but not required for the "other" to wear the outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
415 <i>Ready, Set, Sew Active!</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities At least one garment that is part of an active sportswear outfit Project summary and project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the garment you constructed for active sports.	Clothing Days ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
418 <i>Loungewear</i>	X	All 11 activities At least 2 learning experiences At least 2 leadership/citizenship activities A loungewear outfit to wear over garments you make or buy Project record, summary, and review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Construct the outer layer of a lounging outfit such as a robe, shawl, or cover-up. Make or select other garments and accessories (sleepwear and footwear) to complete your outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
424 <i>Clothing for Middle School</i>	I, ages 10-14	All 5 interest areas At least 1 garment with sleeves or a skirt or pants plus a top such as a vest, collarless jacket, sweater, blouse, or other top, with or without sleeves At least 1 additional organized activity, 1 leadership/citizenship activity and 1 career experience. Project evaluation and project summary	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the garment you constructed (garment with sleeves or a skirt or pants plus a top) along with assembled outfit and accessories for the total look to wear to school.	Clothing Days ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project’s intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
430 Shopping Savvy	I	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities An outfit, including accessories Project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear a total look outfit assembled according to the information in your project to convey the image you wish to project to the judges. However, you will be judged on mastery of the project book rather than the outfit worn unless the outfit was put together to complete an activity within the project. Bring completed poster, pages or visual showing completed activities.	Clothing Days ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
406 <i>Clothes for High School and College</i>	A	All 5 major areas At least 2 additional organized activities At least 2 leadership/citizenship activities A wardrobe inventory At least 1 outfit with a minimum of 2 pieces or a 1-piece garment with sleeves, plus some other style detail not tried before Repair at least 3 items from your wardrobe Project summary	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the garment you constructed (minimum of two pieces or a one-piece garment with sleeves plus some other style detail not tried before).	Clothing Days ohio4h.org/nonlivestockguidebook
408 <i>Creative Costumes</i>	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A costume from one of these categories: historical, ethnic/cultural, theatrical, or special interest Project record and evaluation summary	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the costume you made for yourself. You will be judged on the mastery of the project book in addition to the garment constructed. (If the project is repeated for multiple years, a new costume category must be selected.)	Clothing Days ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
417 Dress-Up Outfit	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A dress-up garment with two or more new experiences (zipper, sleeves, new trim or fabric) and coordinate/incorporate/integrate into your total look Project evaluation and project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the dress-up garment you constructed for formal wear and accessories for the total look.	Clothing Days ohio4h.org/nonlivestockguidebook
420 Outerwear for Anywhere	A	All 4 projects areas and activities At least 2 learning experiences At least 2 leadership/citizenship activities An advanced-level outer garment, such as a coat, jacket, raincoat, cape, or other similar outer garment, and add other clothing accessories for a total look. Project summary and project review	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear outer garment constructed and accessories for the total look. Outfit components may not be used in another state fair clothing project.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
425 Look Great for Less	A, ages 15-18	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity An inexpensive outfit Project record, summary, and evaluation	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the “total look” outfit you put together as inexpensively as possible. The total look includes clothing, accessories, jewelry, shoes, etc. It is acceptable to use an item or two from those you already own but remember this is a shopping project and the majority of your total look should be items purchased using skills you’ve learned while doing this project. Bring completed poster, pages or visual showing completed activities.	Clothing Days ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project’s intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
426 <i>Clothing for Your Career</i>	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity An outfit with at least 2 pieces appropriate for a job, volunteer, work, or an interview (suit, uniform, or work outfit) At least 2 alterations A brief description of an interesting job. Job site visit or interview a professional, or both Project record and evaluation	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display. Wear the outfit you made. The outfit should have at least 2 pieces, appropriate for the job, work or an interview (suit, uniform or work outfit).	Clothing Days ohio4h.org/nonlivestockguidebook
432M <i>Sewing and Textiles (non-Clothing) Master</i>	A	At least one non-clothing fabric item At least 2 learning experiences At least 2 leadership/citizenship activities Project records including interview, budget, and photos Judging activity	Bring completed project book, pattern, any other documentation specific to book as listed in project guidelines, garment or accessories made or purchased for project. Wear your complete look outfit at judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display.	No state fair event

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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Communication

377 <i>Finding Your Voice: Public Speaking Made Easy</i>	B	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display showing what you have learned in your leadership project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
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Creative and Leisure Arts

Cake Decorating

* Project skill level indicates the project’s intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
492 <i>Cake Decorating Project and Record book</i>	X	At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities Record of decorating skills and techniques Project and cake records Project summary and review	Bring completed project book with documentation of decorating skills and techniques, tips and decorated cupcake / cake, and poster (14" x 22" vertically, which includes picture of your original creation, and 1. List/show something new that you have learned, 2. List/show your favorite skill. 3. List / show the most difficult skill you learned. Include your name, 4-H age, and club name in the bottom right corner.) Beginners- 1 single layer decorated cake Intermediate- 8" round, 2-layer decorated cake Advanced- 3 tiered or stacked decorated cake Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and decorated cake.	Creative Arts Day II ohio4h.org/nonlivestockguidebook
Collecting				
496 <i>My Favorite Things</i>	B	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display (collection) to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Creative Arts Day I ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Fine Arts				
498 <i>Quilting the Best Better</i>	I	All 8 activities and all Quilting Quotes questions At least 2 learning experiences At least 2 leadership/citizenship activities Quilt blocks, a pillow to be donated, and a lap quilt (minimum 30" x 30" and maximum 54" x 72") Project review	Bring completed project book and lap quilt to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and quilt.	Quilt Day ohio4h.org/nonlivestockguidebook
499 <i>You Can Quilt!</i>	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Construct a Rail Fence or Four Patch mini-quilt Project summary and project review	Bring completed project book and mini quilt to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and quilt.	Quilt Day ohio4h.org/nonlivestockguidebook
592 <i>Get Started in Art</i>	X	All 11 activities At least 2 learning experiences At least 2 leadership/citizenship activities A final project Project summary and project review	Bring completed book and one completed project (media can include: fiber and fabric, wood and plastic, natural items, clay and dough, glass and metal, or an interest area from the book) to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and art item.	Creative Arts Day I ohio4h.org/nonlivestockguidebook
593 <i>Seeing Through Graphic Design</i>	I	All 9 activities, including a portfolio, and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed book and display/portfolio to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and item.	Creative Arts Day I ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Genealogy				
442 Family History Treasure Hunt	X	All 4 steps in What to Do, depending on number of years project is taken At least 1 other learning experience At least 1 leadership/citizenship activity Project review and records <i>(Use the same book 1-6 years.)</i>	Bring completed project book, research journal, pedigree charts in a binder, and a display for fair that depicts your family history research to judging. Project interview: Answer questions about project experience including general 4-H knowledge, project book knowledge and activities, and display for fair.	Family Life Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Photography				
584 Photography Basics, Book 1	B	At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i>	Bring complete project book, camera(s) used, and photo journal (which includes the negatives or print sheets), along with creating and bringing one of the following: A. A single print mounted at your discretion OR B. A collection of prints illustrating a photo story consisting of 5 – 10 prints mounted at your discretion OR C. A collection of prints illustrating one of the activities complete for the project consisting of 5 – 10 prints mounted at your discretion. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, photo journal, and photo exhibit. No frames please. The photos can be mounted but it might be taped or stapled for fair.	Photography Day ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
585 Next Level Photography, Book 2	I	At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i>	Bring complete project book, camera(s) used, and photo journal (which includes the negatives or print sheets), along with creating and bringing one of the following: A. A single print mounted at your discretion OR B. A single print illustrating an enlargement which must include an enlargement print, accompanied by the original print, mounted at your discretion OR C. A collection of prints illustrating one of the activities completed for this project consisting of 5 – 10 prints mounted at your discretion OR D. A single print illustrating a News Story using an original photo mounted at your discretion and accompanied by published article. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, photo journal, and photo exhibit. No frames please. The photos can be mounted but it might be taped or stapled for fair.	Photography Day ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project’s intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
586 Mastering Photography, Book 3	A	At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i>	Bring complete project book, camera(s) used, and photo journal (which includes the negatives or print sheets), along with creating and bringing one of the following: A. A single print mounted at your discretion OR B. A single print illustrating an enlargement which must include an enlargement print, accompanied by the original print, mounted at your discretion OR C. A collection of prints illustrating one of the activities completed for this project consisting of 5 – 10 prints mounted at your discretion OR D. A single print illustrating a News Story using an original photo mounted at your discretion and accompanied by published article. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, photo journal, and photo exhibit. No frames please. The photos can be mounted but it might be taped or stapled for fair.	Photography Day ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

<p>589M Photography Master</p>	<p>A</p>	<p>One major photography project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and portfolio Judging activity</p>	<p>Bring complete project book, camera(s) used, and photo journal (which includes the negatives or print sheets), along with creating and bringing one of the following: A: Select a type of photography (i.e. portrait, wedding, baby, landscape, sports, fashion, etc.) and explore the skills and equipment needed to be successful. Create a portfolio that showcases the type of photography you choose. OR B: Create a collection of images illustrating a “picture story” or a “documentary” with print or digital images. OR C: Experiment with a variety of lighting intensities and angles and apply your new knowledge to your photography. OR D: Learn to see in “Black and White” and explore how removing color changes the mood, focus of attention, or even attractiveness. OR E: Use a specialized technique, such as selective focusing or enlarging, to change an image’s focal point, feel, meaning, etc. OR F: Learn how to use the manual settings on your camera to your advantage (i.e., nighttime photography) Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, photo journal, and photo portfolio. No frames please. The photos can be mounted but it might be taped or stapled for fair.</p>	<p>Photography Day ohio4h.org/nonlivestockguidebook</p>
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Scrapbooking				
497 <i>Scrapbooking: A 4-H Guide to Preserving Memories</i>	B	All 3 project areas (the last activity is optional) At least 2 learning experiences At least 2 leadership/citizenship activities A scrapbook Project review	Bring completed project book and scrapbook to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and scrapbook.	Creative Arts Day I ohio4h.org/nonlivestockguidebook
Writing				
588 <i>The Writer in You</i>	I	All 11 activities (including a writing portfolio) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed project book and any other additional writings that are in a notebook or scrapbook. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and writings.	No state fair event

* Project skill level indicates the project’s intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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Food and Nutrition

459 Let's Start Cooking	B	All 8 activities, including 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • How Does Your Plate Rate? • Safety First • Equipment Check • Decoding Recipes • Measuring Mastery • Slicing and Dicing Practice • Microwave Know-How Stove Top and Oven Use 101	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook
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* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
481 Everyday Food and Fitness	B	All 7 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Choose My Plate for a Healthier You • Going with the Grains • Eat the Rainbow • Get Fruity with Your Food • Pass the Cheese, Please • Get Growing with Proteins Get Moving for Life	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
484 <i>Snack Attack!</i>	B	All 7 activities, including 7 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Exploring MyPyramid (My Plate) • Is It Snack Time Yet? • Digging for Grains • Color Hunt • Got Dairy? • Protein Protection • Not-So-Hidden Calories 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook
487 <i>Take a Break for Breakfast</i>	B	All 5 activities, including at least 5 recipes At least 2 learning experiences and 2 leadership/citizenship/career activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • The Importance of Breakfast • Fruits and Vegetables • Protein, Fruits, and Veggies • Protein and Grains • Breakfast Around the World 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
461 Let's Bake Quick Breads	I	All 8 activities, including 7 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • What Makes Grains Great • Digging Into Wheat • Putting It All Together • Mixing It Up • Equipment Experiment • Gluten-Free Baking • Tweaking Recipes for Your Health Careers in the Kitchen 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
463 Sports Nutrition: Ready, Set, Go	I	All 5 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • The Three Parts of Physical Fitness • Exercise and Your Heart Rate • Eating and Burning Calories • How Nutrients Help Performance Finding Hidden Water for Hydration	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
472 Grill Master	I	All 6 activities, including at least 5 recipes and the Notes for Next Time At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Sizing Up Servings • Ready, Set, Grill • Other Equipment Essentials • Secret Ingredients: Sauces and Marinades • Grilling Fruits and Vegetables • The Final Skill Trail: Grilling Off Site 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
475 <i>Star Spangled Foods</i>	I	All 7 recipe sections, including 11 recipes At least 3 learning experiences At least 3 leadership/citizenship activities	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Wild West Burgers • Star Spangled Salads • Yankee Snickerdoodles • Indian Beans • Country Breakfast • Breakfast Down on the Farm • Jambalaya Chocolate Dessert	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
477 Party Planner: A 4-H Guide to Quantity Cooking	I	All 8 activities, including 8 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Sleepover Nutrition Hunt • Recipe Makeover • Show Me the Money! • MyPyramid: All Mine (My Plate) • Perfect Timing • Crowd Pleasers • Picnic in the Parking Lot Scoring Points with Burgers	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
485 <i>Racing the Clock to Awesome Meals</i>	I	All 7 activities, including 1 recipe and the Notes for Next Time for each activity At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • MyPyramid: The Starting Block (My Plate) • Jump Start Your Day • Pastabilities • Super Soups • Planned Overs • Equipment Helpers • Overcoming Hurdles 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
462 Yeast Breads on the Rise	A	All 5 interest areas, including at least 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project record and summary <i>(Use the same book 1-2 years.)</i>	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: First Year (Page 6) <ul style="list-style-type: none"> • My Plate • Ingredients in Bread Products • Career Options • Methods of Mixing Yeast Breads • Bread Dough Basics • Traditional Method • Sponge Dough Method • Batter/No Knead Method • Mixer Method • Bread Machine Method Second Year (Page 40) <ul style="list-style-type: none"> • My Plate • Ingredients in Bread Products • Career Options • Methods of Mixing Yeast Breads • Bread Dough Basics • Mixing Method #1 • Mixing Method #2 • Mixing Method #3 (optional) • Mixing Method #4 (optional) • Mixing Method #5 (optional) 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
467 <i>Cooking on My Own</i>	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Kitchen Safety • Timing is Everything • Be a Pro with Proteins • Whole Grain Goodness • Snack Central • One-Dish Wonders • What's for Dinner? 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook
469 <i>Global Gourmet</i>	A	All 7 activities, including preparation of meals and Notes for Next Time At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Mexico • Africa • Japan • India • Italy • Greece • Germany 	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
474 <i>Beyond the Grill</i>	A	All 6 activities, including 9 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Pack Up and Go Safely • Cowboy Up with a Campfire • Catch Some Rays and Cook • Go Lean and Know Your Temps • Proteins- Meat and More • Party Time Dutch Over Treasures	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook
476 <i>Kitchen Boss</i>	A	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship/career activity Project review	Bring complete nutrition portfolio and project book with documentation of recipes prepared. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities and MyPlate. Fair exhibit will be the nutrition portfolio with the following pages: <ul style="list-style-type: none"> • Team Player • Plan and Prepare • Methods • Tools and Equipment • Ingredients • Flavor Dinner is Served	Food and Nutrition Days: three-pronged folder with completed "Portfolio" ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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Healthy Living

300 <i>You're the Athlete</i>	I	At least 1 (of 7) section (Play Book, Practice Field, and Big Event) Either 2 other Play Book and at least 2 Practice Field activities OR 1 other section ((Play Book, Practice Field, and Big Event) At least 2 special learning experiences At least 2 leadership/citizenship/career applications "My Season highlights" (project summary)	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
351 <i>Staying Healthy</i>	B	All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
353 <i>First Aid in Action</i>	B	All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
354 <i>Medicine Science and Safety</i>	B	All 5 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
355 <i>Tracking Your Health and Fitness</i>	I	All 10 activities, all Talking It Over questions, and a health and fitness log At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
356 <i>Relationships 101</i>	I	All 10 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
357 <i>Alcohol and Drug Abuse</i>	A	All 12 activities At least 2 learning experiences All least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
359 <i>Your Thoughts Matter</i>	A	All 10 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
360 <i>Your Feelings Matter</i>	B	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook
434 <i>Superhero You</i>	B	All 5 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Health Day ohio4h.org/nonlivestockguidebook

Home Living

405 <i>The Laundry Project</i>	B	All 11 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Home Decorating and Design Day ohio4h.org/nonlivestockguidebook
491 <i>It's My Home</i>	B	All 9 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book, records kept, and educational display with before and after pictures to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Home Decorating and Design Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
494 <i>Makeover My Space</i>	I	All 10 activities and 4 Talking It Over pages At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book, records kept, and educational display with before and after pictures to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Home Decorating and Design Day ohio4h.org/nonlivestockguidebook

Leadership and Citizenship

92 <i>4-H Around the Globe</i>	I	All 7 activities and Talking It Over questions At least two learning experience At least two leadership/citizenship activities Project summary and project review	Bring completed book, educational display illustrating something you learned to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display for fair.	Leadership Day ohio4h.org/nonlivestockguidebook
370 <i>Mentoring: Leadership in Action</i>	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
371 <i>Club Leadership 1</i>	I	All 10 activities 3 individualized goals At least 2 learning experiences At least 2 citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
383 Club Leadership 2	A	All 11 activities and Talking It Over questions At least 3 individual goals or additional activities At least 2 learning experiences At least 2 citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
372 Diversity: The Source of Our Strength	A	All 8 activities At least 2 learning experiences At least 2 citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
373 My Hands to Larger Service: Teen Leaders Building Our Communities	A	All 9 activities At least 2 learning experiences At least two leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
375 Leadership Road Trip: Where Are You Going?	I	All 13 activities and Rest Stop questions At least 2 learning experiences At least 2 citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
376 <i>Pantry Panic!</i>	A	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
378M <i>Leadership Master</i>	A	One major leadership experience At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook
385 <i>Local Government: Answer the Call</i>	A	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Leadership Day ohio4h.org/nonlivestockguidebook

Money Management

445 <i>Exploring Personal Finance</i>	B	All 9 activities At least 2 organized activities At least 2 leadership/citizenship activities Project summary and project review	TBA	Family Life Day ohio4h.org/nonlivestockguidebook
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
448 <i>Teens . . . On the Road to Financial Success</i>	A	All 11 activities for Year 1 and for Year 2 At least 2 organized activities At least 2 leadership/citizenship activities <i>(Use the same book 1-2 years.)</i>	Bring completed project book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Family Life Day ohio4h.org/nonlivestockguidebook

Natural Resources

Gardening and Plant Science

670 <i>Canning and Freezing</i>	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and 1- pint jar of canned applesauce using the water bath method. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and applesauce display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
671 <i>How Does Your Garden Grow?</i>	B	4 activities, plus activity 4a, 4b, or both At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and 1 bloom in appropriate bud vase to judging. Please complete a photo book for display for fair. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and flower display	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
673 Edible Landscapes	I	All 9 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and planted container of edible plant to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and container of edible plants.	Natural Resources Day ohio4h.org/nonlivestockguidebook
691 Grow Your Own Vegetables	B	All 11 activities (including growing vegetables) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and a display of at least 5 different vegetables from your garden to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and vegetable display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
692 Growing with the Seasons	I	All 9 activities (including growing vegetables) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and a display of items grown from your garden to judging. Please complete a photo book for display for fair. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and vegetable display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
The Natural World				
611 <i>Explore the Outdoors</i>	B	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
612 <i>Geology: Can You Dig It?</i>	B	All 8 activities (including a collection display) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
613 <i>Exploring Polar Science</i>	I	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
617 <i>Exploring Ponds</i>	A	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
620 <i>Why Trees Matter</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
621 <i>Ohio Birds</i>	X	All 5 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities Observe and record at least 20 different bird species One-page summary <i>(Use the same book 1-2 years.)</i>	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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622 Trapping Muskrats in Ohio	I	All 7 activities At least 3 learning experiences At least 3 leadership/citizenship activities 2 of 3 projects for first year; 2 of 3 projects for second year A poster board <i>(Use the same book 1-2 years.)</i>	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
623 Outdoor Adventurer: Beginning Fishing	B	All 8 activities, including Talking It Over questions and the Fishing Log At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
624 Outdoor Adventurer: Intermediate Fishing	I	All 11 activities, including Talking It Over questions and the Fishing Log At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
641 <i>Beekeeping Project and Record Book</i>	X	Set at least 3 project goals and objectives At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities Colony Care and Management section Beekeeping Record	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
644 <i>Insect Adventures 1</i>	B	All 7 activities, including an insect collection (30 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook
645 <i>Insect Adventures 2</i>	I	All 8 activities, including an insect collection (40 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
646 <i>Insect Adventures 3</i>	A	All 7 activities, including an insect collection (50 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and educational display to judging. Educational display needs to include what you learned in this project. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Shooting Sports				
630 Safe Use of Guns	B	All 11 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book and tri-fold stand along board (18"x48") on some aspect of what you learned to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
631 Basic Archery	B	All 6 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Project review	Bring completed project book and tri-fold stand along board (18"x48") on some aspect of archery to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
750 Rifle Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified rifle instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, rifle, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
751 Archery Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified archery instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, archery, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
752 Shotgun Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified shotgun instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, shotgun, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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753 Pistol Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified pistol instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, pistol, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
754 Hunting and Wildlife Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified hunting/wildlife instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, hunting and wildlife, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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755 Muzzleloader Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified muzzleloader instructor; a previously completed rifle, pistol, or shotgun project is strongly recommended	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, muzzleloader, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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756 Living History Member Record Book	X	All project book activities, including planning, setting goals, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified shooting sports living history instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, living history, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
757 Crossbow Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified crossbow instructor	Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, crossbow, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
758 Western Heritage Project: Youth Activity Guide 1-3	I, A	<p>Progress through levels 1-3 by creating a project notebook; setting and working to accomplish three goals per level; completing at least one required and three elective activities for each sub-level (Historical Inquiry, Firearms and Shooting, and Clothing and Accoutrements); and completing a shooting requirement. See project book for details.</p> <p>Must be enrolled in a Shooting Sports program under the direction of a certified Western heritage instructor</p>	<p>Bring completed project book signed by shooting sports instructor, record of shooting sports experiences, western heritage equipment, and tri-fold stand along board (18"x48") on any topic based on book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display. Guns, bows, arrows, ammunition, and firearms of any kind are not permitted. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches. Displays may not include any 'loaded' ammunition. Any shells or casings must be open so that a visual examination can show that there is no powder in ammunition (the caps must be either absent or expended). Wild bird feathers, except legal game species, and all bird nests and eggs are protected under state and federal laws and are not permitted to be collected, possessed, or presented as a part of any display</p>	<p>Shooting Sports Day ohio4h.org/nonlivestockguidebook</p>

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Sustainability				
651 <i>Be a Sustainability Hero!</i>	B	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	TBA	Natural Resources Day ohio4h.org/nonlivestockguidebook
652 <i>Farm to Table to Career</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	TBA	Natural Resources Day ohio4h.org/nonlivestockguidebook

Science, Technology, Engineering, and Math (STEM)

Aerospace Science				
501 <i>Rockets Away</i> (2-Liter Bottle Rockets)	B	All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a 2-liter bottle rocket Project review	Bring completed book, 2-liter bottle rocket, and photo book with pictures of the launches to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, rocket, and photo book.	STEM Day ohio4h.org/nonlivestockguidebook
502 <i>Science Fun with Flight</i>	B, ages 9-14	All 7 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities Build a glider or flyer, or a plastic model airplane or jet Project review	Bring completed book, glider or flyer, and photo book with pictures from the project to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, glider or flyer, and photo book.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
503 Rockets Away (Solid-Fuel Model Rockets)	B	All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a solid-fuel model rocket from a kit Project review	Bring completed book, solid fuel type rocket, and photo book with pictures of the launches to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, rocket, and photo book.	STEM Day ohio4h.org/nonlivestockguidebook
503M Solid-Fuel Rocketry Master	A	One major solid-fuel rocketry project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Bring completed book, solid fuel type rocket, and photo book with pictures of the launches to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, rocket, and photo book.	STEM Day ohio4h.org/nonlivestockguidebook
549 Young Engineers in Space: Missions in Microgravity	I	All 9 activities At least 2 learning experiences At least 2 citizenship activities Project review	TBA	STEM Day ohio4h.org/nonlivestockguidebook
All-Terrain Vehicles (ATV)				
555 ATV Safety	X	Safety pledge All 9 activities Practice pages Practice and riding record At least 2 learning experiences At least 2 leadership/citizenship activities	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, bike, and educational display.	No state fair event

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Bicycle				
517 <i>Bicycling for Fun, Level I</i>	B	At least 7 activities per year Complete the Bicycling for Fun Achievement Program on second year Complete Project Goals, Before and After, and Project Highlights sections <i>(Use the same book 1-2 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, bike, and educational display.	No state fair event
518 <i>Wheels in Motion, Level 2</i>	I	At least 7 activities per year Complete the Bicycling for Fun Achievement Program on second year Complete Project Goals, Before and After, and Project Highlights sections <i>(Use the same book 1-2 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, bike, and educational display.	No state fair event
Biology				
489 <i>Microscope Mysteries</i>	I	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review Requires the purchase of a Foldscope	TBA	STEM Day ohio4h.org/nonlivestockguidebook
Chemistry				
493 <i>Science Fun with Kitchen Chemistry</i>	B	All 11 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Electricity				
527 <i>Magic of Electricity, Level 1</i>	B	At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
528 <i>Investigating Electricity, Level 2</i>	I	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
531 <i>Science Fun with Electricity</i>	B	All interest areas Experiments and journals for each interest area At least 2 project activities At least 2 leadership/citizenship activities Project summary	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
Energy				
550 <i>Young Engineers in Solar Energy</i>	I	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Food Science				
490 <i>Science Fun with Dairy Foods: The Case of the Missing Milk</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
Knots				
540 <i>Not Just Knots</i>	X	All 17 activities (including a capstone project) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
Physics				
500 <i>Science Fun with Physics</i>	B	All 12 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Robotics				
509 Robotics Essentials	I	All 10 activities (including construction of a LEGO® Spike™ Prime or VEX robot) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed project book, robot, test surface, print out, and fair exhibit (trifold 18"x48") to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and robot (educational display).	STEM Day ohio4h.org/nonlivestockguidebook
512M Robotics Master	A	One major robotics project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Bring completed project book, robot, test surface, print out, and fair exhibit (trifold 18"x48") to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and robot (educational display).	STEM Day ohio4h.org/nonlivestockguidebook
Small Engines and Lawn Care				
541 Crank It Up, Level 1	B	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
542 Warm It Up, Level 2	I	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
543 Tune It Up, Level 3	A	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
544 Ready, Set, . . . Mow!	A	All 13 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Bring completed book and educational display to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and educational display.	STEM Day ohio4h.org/nonlivestockguidebook
Tractor and Machinery Operation				
552 Tractor Operations: Gearing Up for Safety, Level B	B	Complete all activities	Bring completed project book and tri-fold board (18"x48") on one of the safety activities or experiments conducted. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display.	No state fair event

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
553 <i>Moving Out: Learning About Your Tractor and Farm Machinery, Level C</i>	I	Complete all activities	Bring completed project book and tri-fold board (18"x48") on one of the safety activities or experiments conducted. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display.	No state fair event
554 <i>Learning More: Learning About Agricultural Tractors and Equipment, Level D</i>	A	Complete all activities	Bring completed project book and tri-fold board (18"x48") on one of the safety activities or experiments conducted. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and tri-fold display.	No state fair event
Welding				
573 <i>Arcs and Sparks</i>	I	Recommended number of areas, building skills, and developing knowledge questions for your year At least 2 organized project activities At least 2 leadership/citizenship activities Build at least 2 weldments/or other items in book One-page report	Bring completed project book and at least 2 weldments/ items built using instructions in your project book to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and welding items.	Engineering—Welding Day ohio4h.org/nonlivestockguidebook NOTE: All projects must be done using Shielded Metal Arc Welding (SMAW).

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Woodworking				
556 Measuring Up, Level 1	B	At least 7 activities per year for up to three years At least 2 leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed project book and woodworking item constructed to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, woodworking knowledge, and woodworking exhibit. The member must complete and exhibit one project. The project may be based on plans from the 4-H project book or a project of similar size and scope from any other plan. Allowable Tools: This is strictly a HAND HELD tool project: regardless of age! It can be taken for up to three years, but it remains a "HAND HELD tool project." The "designated adult helper" may dimension lumber to correct width. They may also advise and assist so long as the member does at least 90% of the project work. Any non-power tools may be used. The following power tools may be used only with proper safety instruction and under direct supervision of the "designated helper." - Power hand sanders, oscillating belt sander, power drills, jigsaw, scroll saw	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.

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<p>557 <i>Making the Cut, Level 2</i></p>	<p>I</p>	<p>At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i></p>	<p>Bring completed project book and woodworking item constructed to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, woodworking knowledge, and woodworking exhibit. PROJECT SPECIFIC RULES: Complete and exhibit one constructed project. The project may be based on plans from the 4-H project book or a project of similar size and scope from any other plan. Allowable Tools: All tools in Project 556 Plus the following power tools may be used only with proper safety instruction and under direct supervision of the “designated helper.” Power miter saw, thickness planer, table saw, cordless trim saw, drill press, power nailing devices, power sander, band saw, biscuit joiner, pocket screw joints PLEASE NOTE THAT ROUTER, SHAPER, AND LATHE WORK IS NOT ALLOWED The “designated adult helper” may advise and demonstrate so long as the member does 100% of the project work. Complete and exhibit one constructed project. The project may be based on plans from the 4-H project book or a project of similar size and scope from any other plan.</p>	<p>Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.</p>
<p>558 <i>Nailing It Together, Level 3</i></p>	<p>I</p>	<p>At least 7 activities per year for up to three years</p>	<p>Bring completed project book and woodworking item constructed to</p>	<p>Woodworking Day ohio4h.org/nonlivestockguidebook</p>

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
		At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, woodworking knowledge, and woodworking exhibit. Complete and exhibit one constructed project. The project may be based on plans from the 4-H project book or a project of similar size and scope from any other plan. The “designated adult helper” may advise and demonstrate so long as the member does 100% of the project work. The following tools may be used only with proper safety instruction and under direct supervision of the “designated helper” Shaper, radial arm saw, lathe, router/router table, dovetail jig, joiner	NOTE: See the State Fair Guidebook for list of allowable tools.

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
559 Finishing Up, Level 4	A	At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Bring completed project book and woodworking item constructed to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, woodworking knowledge, and woodworking exhibit. Participants should exhibit a project which shows they have learned how to properly use tools in its creation. A member may use all non-power and power tools if they have safety instructions and supervised by a knowledgeable adult. Project should demonstrate the member has increased their knowledge and skills over previous projects.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.
560M Woodworking Master	A	One major woodworking project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Bring completed project book and woodworking item constructed to judging. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, woodworking knowledge, and woodworking exhibit. Project should show creativity, proper joinery technique, good layout and design. Projects might include intarsia, carvings, marquetry, lathe work, original designs and antique furniture reproductions.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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Self-Determined

365 <i>Self-Determined</i>	X	Using the online Self-Determined Project Guide: Topic identification At least 3 areas of interest, each with at least 3 activities At least two learning experiences At least two leadership/citizenship experiences Project summary	Bring completed Self Determined project guide (#365), display, and any other materials to exhibit at judging. Display should be a tabletop exhibit (poster, scrapbook, etc.) illustrating highlights of project experience and accomplishments. Project interview: Answer questions about your project experience including general 4-H knowledge, project book knowledge and activities, and display. Visit www.ohio4h.org for idea starters.	Self-Determined Day ohio4h.org/nonlivestockguidebook NOTE: Requirements may be different for self-determined projects that go to state fair on other days. See the “Ohio State Fair Self-Determined Projects Tip Sheet” at ohio4h.org/selfdetermined for additional information.
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